

Title (en)

EARLY WARNING METHOD AND APPARATUS FOR PRESENT VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FRÜHWARNUNG FÜR EIN VORHANDENES FAHRZEUG

Title (fr)

PROCÉDÉ ET APPAREIL D'ALERTE PRÉCOCE D'UN VÉHICULE ACTUEL

Publication

**EP 4002323 A1 20220525 (EN)**

Application

**EP 20856199 A 20200826**

Priority

- CN 201910792798 A 20190826
- CN 2020111510 W 20200826

Abstract (en)

An ego-vehicle warning method and apparatus are provided. The method includes: determining a nearby area of an ego-vehicle based on moving information of the ego-vehicle; performing target classification on vehicles surrounding the ego-vehicle to obtain nearby vehicles in a plurality of directions and remote vehicle sets in the plurality of directions; for any remote vehicle in a remote vehicle set, calculating a shortest distance between the remote vehicle and a nearby vehicle in each direction that matches a direction of the remote vehicle in the plurality of directions in a future time period, and recording a time T when the shortest distance is less than a threshold D; and sending alarm information to a driver of the ego-vehicle based on the recorded time T, where the alarm information is used to indicate to the driver that an accidental collision accident not caused by the ego-vehicle or another accidental collision accident may occur in a direction of the nearby vehicle corresponding to the earliest time T. The method is used to resolve a problem that a safety warning capability of the ego-vehicle is relatively low when an accidental danger not caused by the ego-vehicle occurs between vehicles surrounding the ego-vehicle.

IPC 8 full level

**G08G 1/16** (2006.01); **B60Q 9/00** (2006.01)

CPC (source: CN EP US)

**B60Q 9/008** (2013.01 - CN EP); **B60W 30/0956** (2013.01 - EP US); **B60W 40/114** (2013.01 - EP US); **B60W 50/14** (2013.01 - EP US); **G01S 13/931** (2013.01 - EP); **G01S 17/931** (2020.01 - EP); **G08G 1/163** (2013.01 - EP); **G08G 1/166** (2013.01 - EP); **B60W 2050/146** (2013.01 - EP US); **B60W 2554/80** (2020.02 - EP US); **B60W 2556/45** (2020.02 - EP US); **G01S 2013/9316** (2020.01 - EP); **G01S 2013/932** (2020.01 - EP)

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